## WE CLAIM:

1. A method of providing a synchronization pattern for use in a communications system comprising the steps of:

generating a synchronization pattern;

distributing the synchronization pattern over a segmented information signal, wherein the distributed synchronization pattern defines boundaries between groups of segments in the segmented information signal; and

distributing a segmented index over a particular group of segments in the segmented information signal, the segmented index distinguishing the particular group of segments from other groups of segments.

- 2. The method of claim 1, wherein the synchronization pattern is at least one of a random pattern, a pseudo random pattern, and a periodic function.
- 3. The method of claim 1, wherein the synchronization pattern is produced by a linear feedback shift register (LFSR).
- 4. A method for communication stream synchronization in a communications receiver comprising the steps of:

receiving a segmented information signal, wherein the segmented information signal includes a distributed synchronization pattern and a distributed frame index;

collecting the distributed synchronization pattern from the segmented information signal;

collecting the distributed frame index from the segmented information signal;

correlating the collected distributed synchronization pattern with a known synchronization pattern, wherein the correlation defines boundaries for groups of segments in the segmented information signal; and

evaluating the collected distributed frame index, to identify which group of the groups of segments in the segmented information signal has been received.

- 5. The method of claim 4, wherein the synchronization pattern is a selected one from a group including a random pattern, a pseudo random pattern, and a periodic function.
- 6. The method of claim 5, wherein the synchronization pattern is produced by a linear feedback shift register (LFSR).
- 7. The method of claim 4, wherein the distributed frame index includes an error correcting code.
- 8. The method of claim 7, wherein the error correcting code is produced using a Hamming code.
- 9. A system for providing a synchronization pattern for use in a wireless communications system comprising:
- a transmitter configured to transmit information over a wide area on a predetermined schedule;
- a mobile device including a receiver, the receiver being configured to receive the transmitted information; and
- a broadcast signal, transmitted by the transmitter and including a segmented information signal that further includes a distributed synchronization pattern and a distributed frame index,
- wherein each segment of the segmented information signal further comprises:
- a header, including one or more marker bits, a portion of the distributed synchronization pattern, and a portion of the distributed segment index; and a payload, including data.
- 10. The system of claim 9, wherein the distributed synchronization pattern is at least one of a random pattern, a pseudo random pattern, and a periodic function.

- 11. The system of claim 10, wherein the synchronization pattern is produced by a linear feedback shift register (LFSR).
- 12. The system of claim 9, wherein the distributed frame index includes an error correcting code.
- 13. The system of claim 12, wherein the error correcting code is produced using a Hamming code.
- 14. A method of providing and receiving a synchronization pattern for use in a wireless communications system comprising the steps of:

generating a synchronization pattern;

distributing the synchronization pattern over a segmented information signal, wherein the distributed synchronization pattern defines boundaries between groups of segments in the segmented information signal;

generating a segmented index;

distributing the segmented index over the segmented information signal, wherein the segmented index identifies a particular group of segments in the segmented information signal;

transmitting the segmented information signal over a wireless medium; receiving at least a portion of the segmented information signal; collecting the distributed synchronization pattern from the received segmented information signal;

collecting the distributed segment index from the received segmented information signal;

correlating the collected distributed synchronization pattern with a known synchronization pattern, wherein the correlation defines boundaries for groups of segments in the segmented information signal; and

evaluating the collected distributed segment index to identify which group of the groups of segments in the segmented information signal has been received.

- 15. The method of claim 14, wherein the synchronization pattern is at least one of a random pattern, a pseudo random pattern, and a periodic function.
- 16. The method of claim 14, wherein the synchronization pattern is produced by a linear feedback shift register (LFSR).
- 17. The method of claim 14, wherein the segmented index includes an error correcting code.
- 18. The method of claim 17, wherein the error correcting code comprises a Hamming code.
- 19. A computer-readable medium encoded with a data structure for communication stream synchronization in a communications system, the data structure comprising a plurality of segments of data, wherein each segment includes at least two data fields, a synchronization pattern field and an index field, wherein a portion of a synchronization pattern is included in the synchronization pattern field of each segment, and a portion of an index that distinguishes the data stream from other data streams is included in the index field of each segment.
- 20. The computer-readable medium encoded with the data structure of claim 19, wherein the synchronization pattern is a selected one from a group including a random pattern, a pseudo random pattern, and a periodic function.
- 21. The computer-readable medium encoded with the data structure of claim 19, wherein the synchronization pattern is produced by a linear feedback shift register (LFSR).
- 22. The computer-readable medium encoded with the data structure of claim 19, wherein the index includes an error correcting code.

23. The computer-readable medium encoded with the data structure of claim 19, wherein the error correcting code is produced using a Hamming code.